

Title (en)  
RECYCLE CONTENT PROPIONALDEHYDE

Title (de)  
PROPIONALDEHYD MIT RECYCELTEM INHALT

Title (fr)  
PROPIONALDÉHYDE À CONTENU RECYCLÉ

Publication  
**EP 3976573 A4 20230705 (EN)**

Application  
**EP 20812751 A 20200522**

Priority  
• US 201962852372 P 20190524  
• US 2020034170 W 20200522

Abstract (en)  
[origin: WO2020242924A1] A recycle content ethylene is fed to a reactor to make propionaldehyde having recycle content. The recycle ethylene feedstock is derived directly or indirectly from the cracking of recycle content pyrolysis oil. The cracking of the pyrolysis oil can be conducted in a gas furnace or a split furnace.

IPC 8 full level  
**C07C 45/50** (2006.01); **C07C 4/04** (2006.01); **C07C 7/04** (2006.01); **C07C 11/04** (2006.01); **C07C 47/02** (2006.01); **C10G 9/00** (2006.01)

CPC (source: EP US)  
**C07C 45/50** (2013.01 - EP US); **C10G 1/002** (2013.01 - EP US); **C10G 1/10** (2013.01 - EP US); **C10G 9/00** (2013.01 - EP);  
**C10G 2400/20** (2013.01 - EP US)

Citation (search report)  
• [XY] US 9856198 B1 20180102 - KEEN BRIAN T [US], et al  
• [X] US 5087763 A 19920211 - SORENSEN KIRK D [US]  
• [Y] WO 2017027271 A1 20170216 - PROCTER & GAMBLE [US]  
• [Y] FUWEI LI ET AL: "Production of Light Olefins from Catalytic Cracking Bio-oil Model Compounds over La 2 O 3 -Modified ZSM-5 Zeolite", ENERGY & FUELS, vol. 32, no. 5, 26 April 2018 (2018-04-26), WASHINGTON, DC, US., pages 5910 - 5922, XP055757165, ISSN: 0887-0624, Retrieved from the Internet <URL:https://pubs.acs.org/doi/abs/10.1021/acs.energyfuels.7b04150> DOI: 10.1021/acs.energyfuels.7b04150  
• See references of WO 2020242924A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2020242924 A1 20201203**; EP 3976573 A1 20220406; EP 3976573 A4 20230705; US 2022289655 A1 20220915

DOCDB simple family (application)  
**US 2020034170 W 20200522**; EP 20812751 A 20200522; US 202017594966 A 20200522